

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. P18663		Serial No. 09/440,093			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				Applicant K. YASUNAGA et al.		<div style="font-size: 2em; font-weight: bold; transform: rotate(-5deg);">RECEIVED</div> <div style="font-size: 1.5em; font-weight: bold; transform: rotate(-5deg);">APR 28 2000</div> <div style="font-size: 1.2em; font-weight: bold; transform: rotate(-5deg);">Group 2700</div>			
				Filing Date November 15, 1999				Group 2741	
U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MD		5 2 9 3 4 4 9			03/08/94	TZENG			
MD		5 4 2 8 5 6 1			06/27/95	BRYANT et al.			
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
		9 - 6 3 9 6			01/10/97	JAPAN			
		0 - 6 3 3 0 0			03/06/98	JAPAN			X
		9 9 / 1 2 1 5 6			03/11/99	WIPO			
		0 6 8 0 0 3 2			11/02/95	EPO			
		5 2 8 1 9 9 9			10/29/93	JAPAN			
		0 4 8 8 7 5 1			06/03/92	EPO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
MD	1	An English Language abstract of JP 9-6396.							
MD	2	An English Language abstract of JP 5-281999.							
MD	3	International Communication Union, "Series G: Transmission Systems and Media, Digital systems and Networks-Coding of speech at 8kbit/s using Conjugate Structure Algebraic Code Excited Linear-Prediction (CS-ACELP); Annex D: 64 kbit/s S-ACELP speech coding algorithm, published September 1998.							
MD	4	SALAMI et al., "Real-Time Implementation of a 9.6Kbit/s ACELP Wideband Speech Coder." Proceedings of the Global Telecommunications Conference, U.S. New York, IEEE, vol. -, 1992, pages 447-451.							
MD	5	KIM et al., "A Complexity Reduction Method for VSELP Coding Using Overlapped Sparse Basis Vectors." Proceedings of the International Conference on Signal Processing Application and Technology, October 18, 1994.							
MD	6	MILLAR et al., "A Multipulse Speech Codec for Digital Cellular Mobile Phone Use." Proceedings on the Workshop on Speech Coding for Telecommunications, U.S., Boston, Kluwer, vol. -, 1989, pages 87-96.							
MD	7	An English Language abstract of JP 7-295598.							
MD	8	An English Language abstract of JP 6-202697.							
MD	9	An English Language abstract of JP 2-12300.							
MD	10	An English Language abstract of JP 8-044400.							
EXAMINER <i>Mr. McPerson</i>					DATE CONSIDERED <i>4/2/03</i>				

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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MO	7 2 9 5 5 9 8	11/10/95	JAPAN				
↓	6 2 0 2 6 9 7	07/22/94	JAPAN				
↓	2 - 1 2 3 0 0	01/17/90	JAPAN				
↓	8 0 4 4 4 0 0	02/16/96	JAPAN				
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↓	8 0 0 6 6 0 0	01/12/96	JAPAN				
MO	8 2 7 9 7 5 7	10/22/96	JAPAN				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
MO	1 1	An English Language abstract of JP 8-016196.					
↓	1 2	An English Language abstract of JP 6-175695.					
↓	1 3	An English Language abstract of JP 8-006600					
↓	1 4	An English Language abstract of JP 8-279757.					
MO	1 5	M.R. SHROEDER et al., "Code-Excited Linear Prediction (CELP): High-Quality Speech at Very Low Bit Rates", Proc. ICASSP, pp. 937-940 (1985).					
MO	1 6	R. SALAMI et al., "8KBIT/S ACELP Coding of Speech With 10 MS Speech-Frame: A Candidate for CCITT Standardization," ICASSP, pp. II-97 to II-100 (1994).					
MO	1 7	LINDE et al., "An Algorithm For Vector Quantizer Design", IEEE Transactions On Communications, Vol. Com-28, No. 1, pp. 84-95 (1980).					
MO	1 8	MIKI et al., "A PITCH SYNCHRONOUS INNOVATION CELP (PSI-CELP) CODER FOR 2-4 KBIT/S", 1994 IEEE, pp. II-13 to II-116 (1994).					
EXAMINER <i>M. McP...</i>				DATE CONSIDERED 4/2/03			
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Kazutoshi YASUNAGA et al.Filing Date
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MD	4 7 9 7 9 2 5	01/10/89	LIN			
MD	5 4 2 8 5 6 1	06/27/95	BRYANT et al.			

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4 8 8 7 5 1	06/03/92	E. P. O.			
6 8 0 0 3 2	11/02/95	E. P. O.			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

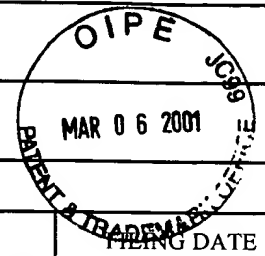
1	Article entitled "A Multi-Mode Variable Rate Speech Coder for CDMA Cellular Systems" by N. TANAKA et al., 1996 IEEE 46th Vehicular Technology Conference, Mobile Technology for the Human Race (Cat. No. 96CH 35894), April 28 to May 1, 1996, pages 198-202, vol. 1.
2	Article entitled "Analysis and Improvements of the Vector Quantization in Selp", by W.B. KLEIJIN et al., 1988 Proceedings of the European Signal Processing Conference, pages 1043 to 1046.
3	Article entitled "A Complexity Reduction Method for VSELP Coding Using Overlapped Sparse Basis Vectors" by S. J. KIM et al., 1994 Proceedings of the International Conference on Signal Processing Applications and Technology, October 18, 1994.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER *M.M. Chasnel*DATE CONSIDERED *4/2/03*

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